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Full Text

AN 1980:41524 CAPLUS

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TI Addition of N,N-disubstituted amides to N-benzoyldiphenylketimine in the presence of lithium amide in liquid ammonia

AU Dobrev, A.; Khristova, M.; Cholakova, Ts.; Ivanov, Kh.

CS Dep. Org. Chem., Univ. Sofia, Sofia, Bulg.

SO God. Sofii. Univ., Khim. Fak. (1978), Volume Date 1975-1976, 70, Pt. 1, 201-7

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DT Journal

LA Bulgarian

AB RCH<sub>2</sub>CONR<sub>1</sub>R<sub>2</sub> (R = H, Me, Ph; R<sub>1</sub> = R<sub>2</sub> = Me, Et, Pr, CHMe<sub>2</sub>, NR<sub>1</sub>R<sub>2</sub> = pyrrolidino, piperidino, morpholino, N'-methylpyrazolino, NMePh) and related compds. added to Ph<sub>2</sub>C:NBz to give 16 corresponding R<sub>1</sub>R<sub>2</sub>NCOCHRCPh<sub>2</sub>NHBz (I) in 8-67% yield. The product yield decreased with increasing size of R, R<sub>1</sub>, and R<sub>2</sub>. The analogous reaction with Ph<sub>2</sub>CO gave 10 R<sub>1</sub>R<sub>2</sub>NCOCHRCPh<sub>2</sub>OH (II) in 12-84% yield. LiAlH<sub>4</sub> redn. of I (R = H, R<sub>1</sub>R<sub>2</sub>N = Me<sub>2</sub>N, piperidino; etc.) and II (R = H, R<sub>1</sub>R<sub>2</sub>N = Me<sub>2</sub>N, Et<sub>2</sub>N, pyrrolidino, morpholino, NMePh) gave 9 corresponding R<sub>1</sub>R<sub>2</sub>NCH<sub>2</sub>CHRCPh<sub>2</sub>X (X = NHBz, NHCH<sub>2</sub>Ph, OH) in 6-92% yield.

IT 72311-75-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and redn. of, with lithium aluminum hydride)

RN 72311-75-2 CAPLUS

CN Benzenepropanamide, β-(benzoylamino)-N-methyl-N,β-diphenyl-  
(9CI) (CA INDEX NAME)

